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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,016	02/24/2004	Yuzuru Suzuki	31647-7	3960
35023 75	12/16/2005	EXAMINER		
	VARD, HAMILTON & S IINO REAL, SUITE 200	PRESTON, ERIK D		
	SAN DIEGO, CA 92130			PAPER NUMBER
			2834	
			DATE MAILED: 12/16/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

:	i	:				
:	:	Application No.	Applicant(s)			
:	Office Action Occurrence	10/787,016	SUZUKI ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Erik D. Preston	2834			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DAISIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION  36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS for a cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).			
Status						
1)□	Responsive to communication(s) filed on					
2a) <u></u> □	This action is <b>FINAL</b> . 2b) This action is non-final.					
: 3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
•	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11,	453 O.G. 213.			
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-15 is/are pending in the application.  4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed.  Claim(s) 1-15 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	wn from consideration.				
Applicati	on Papers					
. 9)□	The specification is objected to by the Examine	r.				
	The drawing(s) filed on is/are: a) ☐ acco	•	e Examiner.			
:	Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correct					
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Offi	ce Action or form PTO-152.			
Priority u	nder 35 U.S.C. § 119					
a)[	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau see the attached detailed Office action for a list	s have been received. s have been received in Applic rity documents have been rece u (PCT Rule 17.2(a)).	ation No ived in this National Stage			
: :	:	: :				
Attachmen	; (eta)		•			
1) Notice 2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r·No(s)/Mail Date 07/19/2004.	4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:				

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ueno et al. (US 5811903 supplied by applicant) in view of Krauth (JP 10-271735).

With respect to claims 1,6 & 14, Ueno teaches a thrust member of a motor including a motor body (Fig. 1, #10), which is shaped substantially cylindrical, a rotor, a stator, and a rotary shaft (Fig. 1, #3) which has a front end portion thereof sticking out from a front end face of the motor body, has a rear end face thereof exposed at a rear end face of the motor body (as seen in Fig. 1), and which rotates with respect to the motor body, the thrust member comprising: A plurality of arm segments (Fig. 7, #9d) attached to predetermined areas on an outer surface of the motor body (such as is seen in Fig. 14); a thrust segment (Fig. 6, #9a) to touch the rear end face of the rotary shaft when the thrust member is mounted on the motor with the arm segments being attached to the predetermined areas on the outer surface of the motor body; and a plurality of shoulder segments (as seen in Figs. 6 & 7) to bridge the arm segments to and the thrust segment and to urge the thrust segment toward the rotary shaft, but it does not teach the thrust segment being a hump. However, Krauth teaches a hump segment (Fig. 1, #28) for touching a rear end face of the rotary shaft. It would have

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been obvious to one of ordinary skill in the art at the time of the invention to modify the thrust segment of Ueno in view of the hump segment as taught by Krauth because it provides a means for adjusting a thrust bearing after assembling the motor (Krauth, Paragraph 4) which saves both time and money (Krauth, Paragraph 8).

With respect to claims 2,13 & 15, Ueno in view of Krauth teaches the motor of claims 1,6 & 14, and Ueno teaches that the rotary shaft has a worm gear (Fig. 1, #4) attached to the front end portion thereof.

With respect to claims 3,9 & 10, Ueno in view of Krauth teaches the motor of claims 1,6 & 14, and Ueno teaches that the thrust member receiving portion is constituted by cutouts (of the type as seen in Fig. 14), but it does not teach that the thrust member receiving mechanism is provided at the front end face of the motor body. However, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide the thrust member receiving mechanism at the front end face of the motor body since it has been held that changing the position of an element of an invention is prima facie obvious in the absence of new or unexpected results (In re Japikse, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950)).

With respect to claims 4 & 7, Ueno in view of Krauth teaches the motor of claims 1 & 6, and Ueno teaches that the arm segments are detachably attached to the predetermined areas of the motor body.

With respect to claims 5 & 8, Ueno in view of Krauth teaches the motor of claims 1 & 6, and Krauth teaches that the thrust member is fixedly attached, and It would have been obvious to one of ordinary skill in the art at the time of the invention to fixedly

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attach the arm segments of Ueno since it has been held that "the use of a one piece construction...would be merely a matter of obvious engineering choice." (In re Larson, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965)).

With respect to claims 11 & 12, Ueno in view of Krauth teaches the motor of claim 6, and Ueno teaches that the motor body has, at the outer surface thereof, an embossed (as seen in Fig. 13) or recessed guiding mechanism (as seen in Fig. 14), to which portions of the thrust member are fitted.

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 3794869, US 5945756, US 6208046, US 6577035 & US 6698933

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erik D. Preston whose telephone number is (571)272-8393. The examiner can normally be reached on Monday through Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571)272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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12/06/2005

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